

19. (New) Control system according to Claim 17, characterized in that the plug connector or a mating plug connector corresponding to it has a cooling flange or a cooling surface with a thermal connection to at least one output component of the evaluating unit.
20. (New) Control system according to Claim 17, characterized in that the sensor is an exhaust gas sensor.
21. (New) Control system according to Claim 17, characterized in that the interface and the electrical connecting line to the sensor are moisture-proof.
22. (New) Control system according to Claim 17, characterized in that the connecting line between the sensor and the interface is electromagnetically shielded.
23. (New) Control system according to Claim 17, characterized in that the connecting line to the engine control device is a system bus.
24. (New) Control system according to Claim 23, characterized in that a number of sensors are connected with the control device via the system bus.
25. (New) Control system according to Claim 17, characterized in that the evaluating unit has a microprocessor.
26. (New) Control system according to Claim 25, characterized in that the microprocessor can be matched individually to the sensor with software.
27. (New) Control system according to Claim 17, characterized in that heating of the sensor can be regulated by the evaluating unit.
28. (New) Control system according to Claim 17, characterized in that the evaluating unit can be adjusted with operational data by the engine control.
29. (New) Control system according to Claim 17, characterized in that the interface is located closer to the sensor than to the engine control device.